Objective Statement
Prepress Electronic Communications Architecture and Network
P&PG Objective Number Two, Milestone Number Two

I. *Activity This Period*: Activity this period has been directed to interviewing Printing and Photography (P&PG) customers to determine their plans regarding electronic document production.

II. *Problems Encountered:* No problems at this time.

III. *Plans for Next Period:* Assess current capabilities in light of future and projected requirements.

Office: DDA/OL/P&PG
Objective Statement: Prepress Electonic Communications Architecture and Network
Responsible Officer:

O — Scheduled .
X — Actual

STAT

Activities Planned	Quarter 1			Quarter 2			Quarter 3			Quarter 4		
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1. Document current communcations capabilities.			O-X									
2. Determine future requirements by meeting with customers and determining their plans regarding electronic document production.					O- - - - -X							
3. Assess current capabilities in light of future and projected requirements.						O- - - - -O						
4. Identify alternative configurations to meet requirements.									O			
5. .Prepare proposals for reconfiguation of prepress communications architecture with discussion of alternatives and recommended approach.										O		
6. Install and implement reconfiguration.												O·

Printing and Photography Group FY 1989 Objective Two

Milestone Number Two

Determine future requirements by meeting with customers and determining their plans regarding electronic document production

The outcome of this survey varies by component. Information received reflects new system developments in their particular areas, along with suggestions for P&PG. Listed below are the overall responses:

Return Data Bases

Several P&PG customers are requesting to have their data base returned to them online. At present, the only method of returning data bases is magtape, this is cumbersome, time consuming and not always possible to do.

Some customers would like to have their data base returned on a diskette compatible with their system.

Supported Output for Desktop Publishing

Many customers would like to be able to send desktop publishing (Postscript compatible) files to a P&PG high resolution typesetter in the near future.

DDS&T is looking in the future to sending classified desktop publishing or wordprocessing (ASCII) files on-line from Reston.

Preparation of Documents for Prepress

Customers have expressed an interest in sending some formatting codes electronically to expedite final output.

System Variables

The requirement for input/output support exists for various systems, on an adhoc basis. Customers with Macintosh, IBM, Wang, and IBM compatibles have a need to communicate to P&PG for their typesetting requirements.

Prepress local area networks (LAN)

Interest was expressed by customers to have connectivity to a P&PG Prepress LAN if one is implemented.

Miscellaneous

- Remote proofing.

- Multi-purpose workstation, replacement of Atex terminals with PC's.

- Online Graphic communications to P&PG from Cartography.

- Electronic Form 70.

- Several customers do not plan to change from the traditional Wang WPS diskette or current wordprocessing system.

Telephone Interviews with P&PG customers

DI

Contact: [   ] Chief, DI ADP Support Staff   STAT

OIR has a connectivity team investigating alternative options to the PBX. Fiber optic cable will soon be installed in the NHB for OEA, NESA, and MPSS. These offices will use the fiber as a foundation for VM connectivity. Later they will begin to utilize the wiring for local computing and LAN applications.

Mainframe connectivity throughout the DI will rely heavily on the use of token ring technology. Ethernet topology is also being implemented, most effectively by offices such as OIA which have high end workstations (MAC's, SUN's) which emphasize Ethernet connectivity.

There will not be any inter-connectivity of the LAN's from office to office. The only communications to other offices will be via the mainframe. This is for security reasons.

All the DI offices in the OHB will eventually have the same connectivity through LAN's and also be wired through fiber.

Devices that will most likely be used in the DI are:

- PS2's will be the most widely used device for the analyst.

- Sun Workstations will be used heavily by OIA, sparsely by OSWR, and in isolated areas in other DI offices.

- There are a few (but growing) Tektronixs available.

- Mac's will be used by many offices for a variety of applications including desktop publishing.

- For desktop publishing—the DI currently is recommending the use of Ventura or Pagemaker. Two offices may use Interleaf.

The DI is encouraging offices to use PS2's for desktop publishing vise the Mac. But it will be up to each office to decide.

FBIS—Analysis Group

Contacts: [   ] Trends, Analysis Reports   STAT
                      Perspectives

FBIS plans to continue sending Wang WPS formatted diskettes to P&PG for the processing of their jobs. The future, however, according to Analysis Group representatives, includes an Interleaf desktop publishing system which has not become fully operational. A MAS-11 wordprocessing package will be used to produce the publications mentioned above. They would be interested in sending online through the existing fiber optic link if it were possible.

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